

Use Attainability Analysis

for

WBID 0956 Tributary to Willow Fork

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

RECEIVED

JUL 14 2005

Field Data Sheets for Recreational Use Stream Surveys

WATER PROTECTION PROGRAM

**Data Sheet A - Water Body Identification**

Water Body Name (from USGS 7.5' quad):	Trib To Willow Fk
8-digit HUC:	10300102
Missouri WBID #:	0956
County:	Moniteau
Upstream Legal Description:	Bahner Quarry Rd.
Downstream Legal Description:	Bahner Quarry Rd.
Upstream Coordinates:	N38.63009 W092.76615
Downstream Coordinates:	N38.63011 W092.76610
Discharger Facility Name(s):	Tipton LUTF
Discharger Permit Number(s):	MO 0094188
Number of Sites Evaluated:	1
Name of Surveyor and Telephone Number:	Aaron Bleisau 816-622-7618
Organization:	Mo DNR - KCRD
Position:	Env. Specialist

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

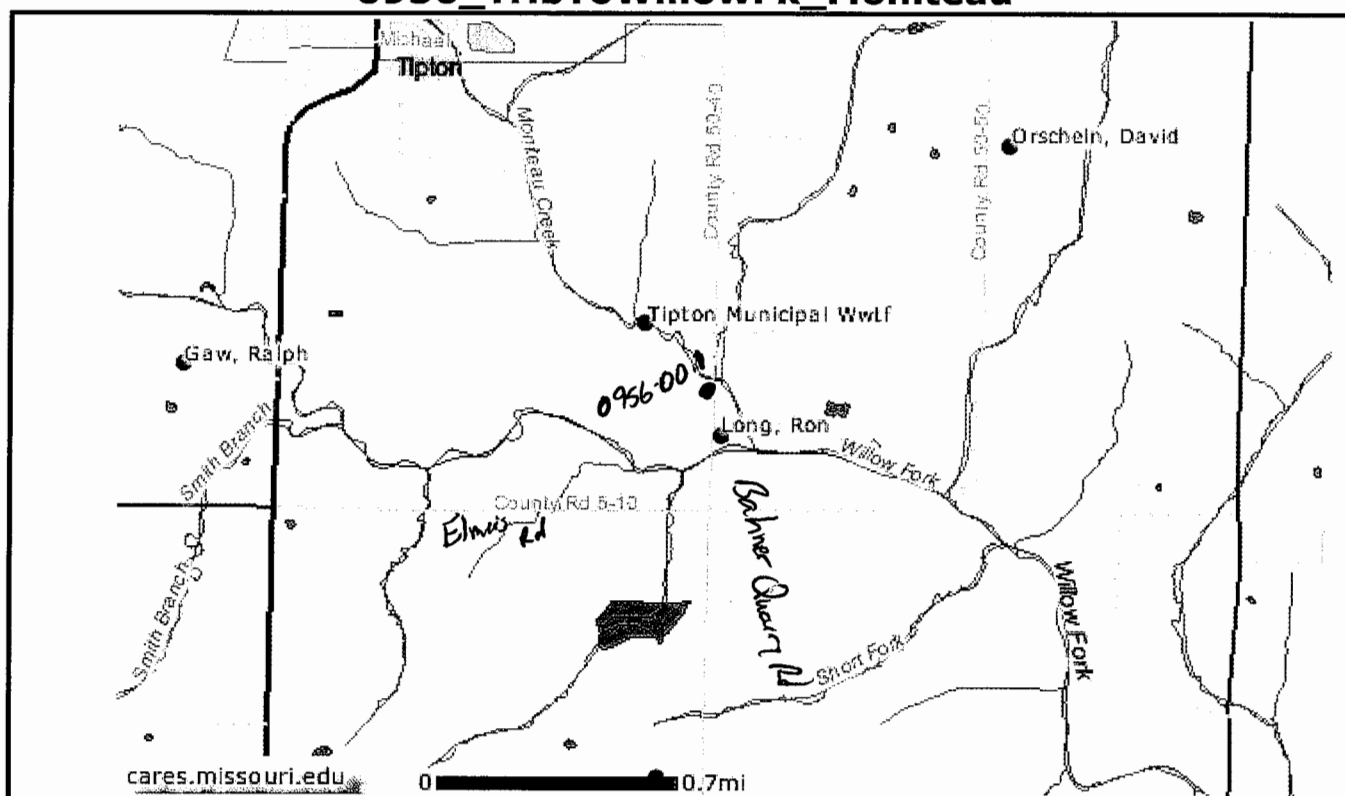
Signed:



Date:

7/13/05








**0956 TribToWillowFk Moniteau**









## Legend

- **Water Quality Information System (WQIS)**




## Roads and Highways

-  Interstate
-  U.S. Highway
-  State Numbered Highway
-  State Lettered Highway
-  Principal Road
-  Road or Street
-  Private Road or Drive

County Boundaries  
1:24,000 Rivers and Streams

-  Perennial Stream/River
-  Intermittent Stream/River
-  Artificial Path (Approx. Centerline)
-  Undifferentiated Stream/River
-  Canal or Ditch
-  Other Hydrologic Feature








## NHD Rivers and Streams

-  Perennial Stream/River  
 Intermittent Stream/River  
 Canal or Ditch  
 (cont)






- Artificial Path (Approx. Centerline)  
Other Hydrologic Feature  
Incorporated Areas

- ☐ City  
☐ Town  
☒ Village  
☐ Census Designated Place  
☐ Other

### 1:24,000 Water Bodies

-  Lake or Pond  
 Lake or Pond (Intermittent)  
 Reservoir  
 Stream or River  
 Swamp or Marsh  
 Canal or Ditch  
 Other Water Body

### NHD Water Bodies

-  Lake or Pond  
 Lake or Pond (Intermittent)  
 Reservoir  
 Stream or River  
 Swamp or Marsh  
 (cont)

### Location Map



Map prepared by:  
<http://cares.missouri.edu>, 7/11

## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <u>0956-001</u>	Site Location Description: <u>Bahner Quarry Rd. - Moniteau Co.</u>	
Site GPS Coordinates: <u>N 38.630007 W 092.76612</u>		
Date & Time: <u>7/13/05 1:17 PM</u>	Facility Name: <u>Tipton WWTF</u>	
Personnel: <u>Aaron Bleibaum</u>	Permit Number: <u>MO 0094188</u>	
Current Weather Conditions: <u>Cloudy 81°F</u>	Weather Conditions for Past 7 days: <u>Hot, Dry</u>	
Photo Ids: Upstream: <u>38-39</u>	Downstream: <u>40-41</u>	Other:

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

This was the only accessible survey point identified. The discharge area is located approximately 200m SE of survey point.

#### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: <u>Farm House - Tyson Pasture/livestock</u>	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>Vinyl tubing scrap-trash</u>				

#### Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID # 0956-001:

### Stream Morphology:

#### Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>15</u>	Length (ft): <u>30</u>	Avg. Depth (ft): <u>1.0 ft</u>	Max. Depth (ft): <u>1.0 ft</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): <u>2 ft<sup>3</sup>/sec</u>		

#### Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>5</u>	Length (ft): <u>40</u>	Avg. Depth (ft): <u>1.0 ft</u>	Max. Depth (ft): <u>1.5 ft</u>
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): <u>3 ft<sup>3</sup>/sec</u>		

### Substrate\*: (These values should add up to 100%.)

<u>20</u> % Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	<u>80</u> % Bedrock
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### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

<u>Large amount of alge growth on banks + stream bed.</u>
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### Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: <u>Alge</u>
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: <u>alge</u>

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Ramon Blatman Date: 4/13/05

Organization: Mo DNR - KCRO Position: Env. Specialist

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